

## CLAIM AMENDMENTS

### IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Currently Amended) A plastic control plate for a hydraulic gearbox control device in a motor vehicle, said plate comprising

- at least one channel running through the plastic control plate for carrying a cooling medium, and

- a heat conduction metal body plate having a top surface and a bottom surface, said plate at least partially integrated in the plastic control plate arranged directly adjacent to the channel, wherein said heat conduction metal body plate top surface is flush with a top surface of the plastic plate.

2. (Currently Amended) The plastic control plate as claimed in Claim 1, wherein the heat conduction body is ~~is~~ an aluminum plate.

3. (Currently Amended) The plastic control plate as claimed in Claim 1, wherein the heat conduction body is arranged directly adjacent and in contact with ~~the channels~~ a channel whereby a cooling medium running through the channel ~~channels~~ flows against said body.

4. (Original) The plastic control plate as claimed in Claim 1, wherein a flat area of the heat conduction body is designed as a wall area of the channel.

5. (Original) The plastic control plate as claimed in Claim 1, wherein the heat conduction body is designed in the form of a U, wherein the inner sides of the U form wall areas of the channel.

6. (Cancelled)

7. (Currently Amended) An arrangement comprising a plastic control plate and a gearbox control electronics system comprising:

- a plastic control plate comprising at least one channel running through the plastic control plate for carrying a cooling medium, **wherein the channel is bounded on at least one side by the plastic control plate,**

- a metal heat conduction body at least partially integrated in the plastic control plate and arranged directly adjacent to **a portion of** the at least one channel, and

- a substrate carrying electronic components of the gearbox control electronics system arranged directly on the upper surface of the heat conduction body.

8. (Previously Presented) The arrangement as claimed in Claim 7, wherein the gearbox control electronics system is electrically contacted via a flexible circuit board.

9. (Previously Presented) The arrangement as claimed in Claim 7, wherein the gearbox control electronics system is electrically contacted via a stamped-grid arrangement, which extends partially over the upper surface of the plastic control plate and partially over the upper surface of the heat conduction body.

10. (Previously Presented) The arrangement as claimed in Claim 7, wherein the heat conduction body is an aluminum plate.

11. (Previously Presented) The arrangement as claimed in Claim 7, wherein the heat conduction body is arranged whereby a cooling medium running through the at least one channel flows against said body.

12. (Original) The arrangement as claimed in Claim 7, wherein a flat area of the heat conduction body is designed as a wall area of the channel.

13. (Original) The arrangement as claimed in Claim 7, wherein the heat conduction body is designed in the form of a U, wherein the inner sides of the U form wall areas of the channel.

14. (Original) The arrangement as claimed in Claim 7, wherein the upper surface of the plastic control plate is flush with the upper surface of the heat conduction body.

15. (Previously Presented) A gearbox control system comprising:  
- a plastic control plate,  
- at least one channel running through the plastic control plate for carrying a cooling medium,  
- a heat conduction body at least partially integrated in the plastic control plate and arranged directly adjacent to the at least one channel, and  
- a gearbox control circuit arranged on a substrate arranged directly on an upper surface of the heat conduction body, wherein the gearbox control circuit is electrically contacted via a stamped-grid arrangement, partially extending over the upper surface of the plastic control plate and partially over the upper surface of the heat conduction body.

16. (Previously Presented) The gearbox control system as in Claim 15, wherein the gearbox control circuit is electrically contacted via a flexible circuit board.

17. (Cancelled)

18. (Previously Presented) The gearbox control system as in Claim 15, wherein the heat conduction body is an aluminum plate.

19. (Previously Presented) The gearbox control system as in Claim 15, wherein the heat conduction body is arranged whereby a cooling medium running through the at least one channel flows against said body.

20. (Original) The gearbox control system as in Claim 15, wherein a flat area of the heat conduction body is designed as a wall area of the channel.

21. (Original) The gearbox control system as in Claim 15, wherein the heat conduction body is designed in the form of a U, wherein the inner sides of the U form wall areas of the channel.

22. (Original) The gearbox control system as in Claim 15, wherein the upper surface of the plastic control plate is flush with the upper surface of the heat conduction body.